

WHAT IS CLAIMED IS:

1. A recording method comprising:

a step of ejecting onto a recording material
ink having a K_a value of not more than 3 ($\text{ml.m}^{-2}.\text{msec}^{-1/2}$);

applying to the ink deposited on the
recording material processing liquid having a K_a value
of not less than 5 ($\text{ml.m}^{-2}.\text{msec}^{-1/2}$) to insolubilized
a coloring material in the ink inside the recording
material;

wherein the processing liquid is applied to
the ink after rapid swell start point ts after
penetration of the ink into the medium passes after
the ink is deposited on the recording material.

2. A recording method comprising:

ejecting onto a recording material ink having
a K_a value not less than 1 ($\text{ml.m}^{-2}.\text{msec}^{-1/2}$); then

applying heat to the ink; and

applying to the ink processing liquid having
a K_a value not less than 1 ($\text{ml.m}^{-2}.\text{msec}^{-1/2}$).

3. A recording method comprising:

ejecting to a recording material ink having a
 K_a value not more than 1 ($\text{ml.m}^{-2}.\text{msec}^{-1/2}$) and having
a penetration property which increases with heat; then
applying heat to the ink; and

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Handwritten signature

1

a

4B
B2

6. A method according to Claim 1 or 5, wherein the ink contain pigment.

8. A recording method comprising:
depositing ink containing a coloring material
having a polarity onto a recording material; then
applying to the ink processing liquid having
a polarity opposite from that of said coloring
material after rapid swell start point ts after
penetration of the ink into the recording material, so
that coloring material in the ink is insolubilized by
the processing liquid at least inside the recording

material.

9. A method according to Claim 1 or 8, wherein
the ink and the processing liquid is ejected to the
5 recording material by generating a bubble by
application of thermal energy to the ink and to the
processing liquid.

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sub
B2
contd

AD3
B
1

11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100